## What is Claimed is:

- 1. A method for forming a bit line of a flash device, the method comprising the steps of:
  - (a) forming a barrier film, an interlayer insulation film, and a metal hard-mask film sequentially on a semiconductor substrate, on which a bit line contact plug is formed:
  - (b) forming a metal hard-mask film pattern for opening a bit line area corresponding to the bit line contact plug;
    - (c) forming a bit line trench;
    - (d) forming a bit line metal film to bury the bit line trench; and,
  - (e) removing the bit line metal film and the metal hard mask film on the interlayer insulation film.
- 2. The method of claim 1, further comprising between steps (c) and (d), a step of cleaning the bit line trench.
- **3.** The method of claim **2**, wherein the cleaning step comprises a dry cleaning process using plasma or a cleaning process by high-frequency sputtering.
- 4. The method of claim 3, wherein the dry cleaning process is performed using a mixed gas of CF<sub>4</sub> and O<sub>2</sub> and NF<sub>3</sub> gas, and the cleaning process by high-frequency sputtering is performed using Ar gas.
- 5. The method of claim 1, wherein the metal hard-mask film and the bit line metal film are formed using the same metal material.
- 6. The method of claim 1, the metal hard-mask film is formed using tungsten (W) with a thickness in the range of 500 Å to 1000 Å to endure significantly as an etching barrier in the subsequent process of etching the interlayer insulation film.
- 7. The method of claim 1, wherein step (b) comprises patterning the metal hard-mask film.
- 8. The method of claim 1, wherein step (c) comprises etching the interlayer insulation film and the barrier film using the metal hard-mask film pattern as an etching mask.

9. The method of claim 1, wherein step comprises a planarization process.